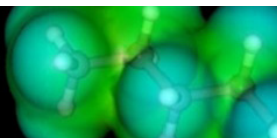
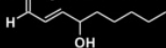


8 - 10 September, 2014
Toulouse, France



Joint Meeting HNE-Club SAS 2014

International
4-Hydroxynonenal-Club



Pa3s
Pôle Aliment Sécurité Sanitaire & Santé



7th HNE-Club International Meeting

The HNE-Club is a Research group within the International Society for Research on Free Radicals (SFRRI). This network aims at promoting research on aldehydes resulting from lipid peroxidation, such as the well-known 4-hydroxynonenal (4-HNE). The 4-HNE Club was established in 2000 at the University of Graz in Austria, in honor of Pr. Hermann Esterbauer, who has worked in the field of lipid peroxidation for over 40 years. He was the first researcher to describe the formation and properties of 4-HNE.

The HNE-International Club organizes every two years, a symposium focused on all the areas of lipid peroxidation and its relevance in science and medicine.

During these meetings, the 4-HNE-Club awards a prize: the Esterbauer Award (referring to Professor Hermann Esterbauer).

The previous symposia were held in several major European cities (Salzburg, Genoa, Berlin, Turin, London...), as well as in Japan.

This year, the symposium will be organized in France for the first time.

The city of Toulouse was chosen because of the presence of two Research groups from the city working on the properties of 4-HNE.

5th Food Health Symposium / SAS 2014

The Food Cluster «Aliment Sécurité Sanitaire et Santé» (PA3S) consists of 27 research teams with different skills (chemistry, phytochemistry, biology, microbiology, toxicology), working on diverse health problems (obesity, diabetes, cancer, cardiovascular disease, infections, poisoning, ...) involving 16 companies and 6 transfer structures, all motivated by Food and Health.

The «Health Food Symposium» (SAS) is an international symposium organized by the Cluster Food Safety and Health (PA3S) of the Midi-Pyrénées region in France. It brings together regional and European experts on the topics of nutrition, health, food safety and functional diseases related to diet and food.

It has been organized in Toulouse since its creation in 2000.



Monday, September 8th

Afternoon: HNE-Club meeting

Opening Address HNE by Neven Zarkovic, HNE Club Chairman (Rudjer Boskovic Institute, Croatia), Anne Nègre Salvayre (INSERM UMR 1048/I2MC, France), Françoise Guéraud (INRA Toxalim, France)

SESSION I HNE – Lipids, oxidation, antioxidants and... Reactive carbonyl species and protein modification – Huiyong Yin: «Reactive Lipid Electrophiles in Mitochondria: Generation, Analysis, and Biological Relevance»

SESSION II HNE – Lipids, oxidation, antioxidants and... signal transduction and biological targets – Valery Bochkov: «Complexity of cellular stress reactions induced by oxidized phospholipids»

SESSION III HNE – Hermann Esterbauer Award Ceremony (Award Winner lecture – To be selected)

Tuesday, September 9th

Morning: HNE-Club meeting

SESSION IV HNE – Chemistry, biochemistry and metabolism of lipid peroxidation products (including neglected aldehydes) – Michel Lagarde: «The lipoxygenase products, poxytrins, inhibit cyclooxygenase activities»

SESSION V HNE – Lipids, oxidation, antioxidants and... “omics” (Lipidomics, metabolomics and proteomics) – Chrysostomos Chatgililoglu: «Biomimetic models of radical stress and related biomarkers»

Afternoon: HNE-Club/SAS meeting common sessions

Opening Address SAS by Jean Daydé (PURPAN, France) and Jean-Pierre Cravedi (INRA Toxalim, France) Presentation of common sessions 4-HNE/SAS

SESSION VI HNE Meeting and SESSION I SAS – Lipids, oxidation, antioxidants and... Innovative methodologies – Laurent Debrauwer: «Challenges in the analysis of free aldehydes : from targeted approaches to global aldehydomics using high resolution mass spectrometry»

SESSION VII HNE Meeting and SESSION II SAS – Lipids, oxidation, antioxidants and... Nutrition and Food – Koji Uchida: «Food-derived natural inhibitors of TLR signaling»

Wine and Cheese Party

Wednesday, September 10th

Morning: SAS meeting

SESSION III SAS – Lipids, oxidation, antioxidants and... Diseases: Part I – Manuel Portero-Otin: «Lipid peroxidation in neurodegenerative processes: a potential role in amyotrophic lateral sclerosis»

SESSION IV SAS – Lipids, oxidation, antioxidants and... Diseases: Part II – Giuseppe Poli: «4-Hydroxynonenal and oxysterols in plaque destabilization»

Afternoon: SAS meeting

SESSION V SAS Meeting – Lipids, oxidation, antioxidants and... Ageing – Hugo Aguilaniu: «The impact of lipid metabolism on longevity»

Concluding remarks



Venue

Ecole d'Ingénieurs de PURPAN
75, voie du TOEC
Toulouse, France



Registration opens

April 17th, 2014

Deadline for submission of abstracts

May 30th, 2014

Contact

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PA3S:

www.pa3s.org

HNE-Club

<http://users2.unimi.it/HNECLUB>

